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DIVISION OF OIL, GAS AND MINING

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September 26, 2000

TO: Minerals File

FROM: Doug Jensen, Senior Reclamation Specialist *D. Jensen*

RE: Site Inspection, North Lily Mining Company, Tintic Project, M/023/007, Juab County, Utah

Date of Inspection: September 25, 2000
Time of Inspection: 9:45 a.m.
Conditions: Clear and Cool
Participants: Walt Shubert, Elwin Ewell, North Lily; Beth Wondimu, DWQ; Doug Jensen, DOGM

Purpose of Inspection: Bi-monthly Site Inspection

When Beth and I arrived, Walt and Elwin were at the site working to adjust the pressure of the sprays in the overflow pond.

The first area that we inspected was the patches that had been placed on the torn liner in the overflow pond. All the tears that were documented on the September 11th visit had been somewhat repaired. The patching effort in the torn areas was to re-establish at least a four foot storage capacity to the pond. The patches had been placed by North Lily's contractor Rainy Day on September 18th. The result of this effort looked good and effort seems to have allowed North Lily continued use of this pond.

While the patches have repaired the lower portions of these tears, the area above the patches still have had little attention. Some sand-bagging has been done to hold down the ragged edges, but there still needs to be more bags added to assure the wind won't pick up these edges and tear additional holes. I suggest that the upper portions of the tears be draped with liner material. This will give some protection from the wind, but it will also protect the exposed clay liner from the misted solutions and any storm events that may occur. While the storm events are not adding any contaminated water into the area between the clay and PVC liners, the cost of evaluation is a possibility, if any water is found between these liners. There had been some storms the week-end before our visit and it was obvious that some of the storm water had entered this zone.

The pressure of the misted solutions in the preg pond looked very good. The overflow pond misters were functioning, but not as well. This is probably a result of the number of sprays and the

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lack of pressure being applied. Walt was going to remove some of the misters in the line to see if he could raise the pressure on those that remained.

The pump back system was back to using a gas powered syphon pump. The electric pump that had been installed in the pond had failed, apparently a result of single phasing. Walt stated that they had to have an electrical contractor visit the site over the week-end because of power problems. The contractor load tested the line supplying power to the pumps and found that under load, one of the three power legs would fail (single phase). Single phasing normally will result in the almost instantaneous failure of any three phase equipment connected to that power supply. The problem was in the main power box where the brass caps on the fuses in the box had corroded. This is a common problem with power centers that are exposed to the weather. The contractor replaced some of the components in the box and hopefully no more pumps will have to die as a result of this problem.

Walt's dedication to this project should be commended. He has spent many hours (nights and week-ends) attempting to get this facility closed. While he was hired to oversee the closure effort, due to the lack of funds, he has become one of the front line laborers at the site.

Walt stated that even with all the snow and rain over the week-end, the flow from the heap was still continuing to drop. It was at around 10 gpm at the time of the visit. He also stated that the solution being pumped from the preg sump had dropped off. This is probably partially due to the repair of the tears in the ditch liners, which had been completed last week.

The solution inventories in the ponds are continuing to drop, even with the week-end storm events. A few more weeks of warm and windy days would help in reducing the remaining solution inventory. The preg pond was less than half full and there was about a foot of solution left in the overflow pond. If the weather holds, maybe North Lily will be able to regain some of the advantage that was lost with the ripped liners and pump problems.

Beth and I left the site around 11:30 and returned to Salt Lake.

jb

cc: Steve Fletcher, North Lily Mining
Walt Shubert, North Lily Mining
Bob Bayer, JBR
Beth Wondimu, DWQ
Wayne Hedberg, DOGM
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